

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



Project Title: I-35 & NE 36th Street Interchange Prelim. Survey and Prelim. Design
Contractor: Howard R Green Company
Address: P.O. Box 4764 Des Moines, IA 50306-4764
Finance Budget Code: 954.3954.4210 **Finance Project Code:** 954.4210
Vendor Project or Invoice #: 523270J03 **PO #**
Original Contract Date: December 18, 2006 **Vendor #** 5531

Date of Council Meeting 1/18/2010 **PAYMENT REQUEST #** 23
PAYMENT PERIOD: From: 11/28/09 through: 12/31/09

Contract Summary

Original Contract Amount:	\$	602,754.00 ✓
Net change by Change Orders:	\$	304,606.00
Contract Amount to Date: (line 1 ± 2)	\$	907,360.00 ✓
Total completed and stored to date:	\$	815,426.32
Retainage: <u>0</u> % of Completed Work:	\$	-
Total Earned less Retainage:	\$	815,426.32
Less previous applications for payment:	\$	790,772.07 ✓
SUBTOTAL	\$	24,654.25
OTHER CHARGES (Please attach an itemized list)	\$	-
CURRENT PAYMENT DUE	\$	24,654.25 ✓
Balance to finish, including retainage:	\$	91,933.68 ✓

Contract Time Remaining (If applicable) -

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature

Date

Engineer/Consultant Approval: Howard R. Green Company

Firm Name

Signature

Date

City of Ankeny Staff Approval

Signature

Date

Submit to: Paul Moritz, P.E., Public Works Director, 220 W. First Street, Ankeny, IA 50023-1751

Email: pmoritz@ankenyiowa.gov Phone: 963-3522 Fax: 963-3535

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

#	Date	Amount
1	1/6/2007	\$ 2,967.50
2	1/25/2007	\$ 23,491.75
3	2/22/2007	\$ 26,222.48
4	3/20/2007	\$ 5,911.65
5	4/27/2007	\$ 39,324.06
6	5/29/2007	\$ 12,896.06
7	6/22/2007	\$ 2,322.50
8	1/2/2008	\$ 1,478.50
9	7/28/2008	\$ 20,700.50
10	9/29/2008	\$ 26,002.72
11	10/29/2008	\$ 22,922.45
12	11/25/2008	\$ 56,555.53
13	1/2/2009	\$ 59,400.58
14	2/5/2009	\$ 43,234.60
15	2/25/2009	\$ 67,645.05
16	3/26/2009	\$ 75,212.18
17	5/28/2009	\$ 32,686.05
18	6/26/2009	\$ 54,386.00
19	8/5/2009	\$ 102,292.53
20	8/27/2009	\$ 20,604.25
21	10/28/2009	\$ 60,644.88
22	12/8/2009	\$ 33,870.25
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TOTAL \$ 790,772.07

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Record of Change Orders

#	Date	Amount
1	4/22/2009	\$ 109,366.00
2	10/22/2009	\$ 195,240.00
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TOTAL		\$ <u>304,606.00</u>

Contract Time Remaining:

CONTRACT PERIOD:	CLICK TO CHOOSE
Original Contract Date:	December 18, 2006
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	0
Time Used to Date:	
Contract Time Remaining:	0



Howard R. Green Company

City of Ankeny, IA
Attn: Paul Moritz
220 W. First Street
Ankeny, IA 50023

January 06, 2010
Project No: 523270J03
Invoice No: 65172

Project 523270J03 Ankeny - I-35 & NE 36th Street Preliminary Survey and Preliminary Design

Professional Services Through December 31, 2009

Phase 9300 Extra Work D3 to D5

Professional Personnel

	Hours	Amount	
Senior Professional	41.00	7,585.00	
Professional	48.50	6,435.00	
Junior Professional	110.25	8,823.75	
Senior Technician	6.00	600.00	
Administrative	7.75	570.00	
Totals	213.50	24,013.75	
Total Labor			24,013.75

Unit Charges

Technology & Communication Charge	38.25	
Technology & Communication Charge	135.00	
Technology & Communication Charge	114.75	
Technology & Communication Charge	7.50	
Technology & Communication Charge	345.00	
Total Unit Charges	640.50	640.50

Total this Phase \$24,654.25

Billing Limits

	Current	Prior	To-Date
Total Billings	24,654.25	790,772.07	815,426.32
Limit			907,360.00
Remaining			91,933.68

Total this Invoice \$24,654.25



Howard R. Green Company

Progress Report 23

November 28, 2009 through December 31, 2009

To: Paul Moritz, P.E.
From: Mark Mueller, P.E.
Subject: I-35 & NE 36th Street Interchange Preliminary Survey and Preliminary Design
Iowa DOT Project No. IM-35-4(153)94—13-77
HRG Project No. 523270J03
Date: January 8, 2010

1.0 Tasks Completed This Period

Task 1 – Project Management and Administration

1. Task is complete.

Task 2 – Control Surveys

1. Task is complete.

Task 3 – Preliminary Surveys

1. Task is complete.

Task 4 – Legal Surveys

1. Task is complete.

Task 5 – Photogrammetry (Aerial Services, Inc.)

1. Task is complete.

Task 6 – Preliminary Roadway Design

1. Task is complete.

Task 6.1 – Extra Work, Geotechnical Engineering

1. Task is complete.

Task 7 – Field Exam Plan Preparation

1. Task is complete.

Task 8 – Preliminary Bridge and Culvert Design

1. Task is complete.

Task 9.1 – Extra Work, Finish NEPA

1. Task is complete.

Task 9.2 – Extra Work, D2 to D3

1. Task is complete.

Task 9.3 – Extra Work, D3 to D5

1. Began converting mainline and ramp cross-sections to Corridor Modeler.

2. Revised proposed right-of-way, permanent easements, and temporary construction easements required within the project limits based on direction provided by Iowa DOT. Updated the right-of-way (H) sheets.
3. Continued preparing exhibits for the 1/14/10 Public Information Meeting (PIM). Reviewed exhibits with Iowa DOT and the City.
4. Revised Right-of-Way Authorization Request letter.
5. Began preparing and reviewing plot plans and summary sheets and acquisitions plats and legal descriptions for proposed right-of-way acquisitions and temporary construction easements.
6. Began planning/scheduling for final design phase.
7. Coordinated project instructions, schedule and work plan with staff.
8. Monitored activities, project schedule and project budget.
9. Coordinated with the City and Iowa DOT regarding project issues.
10. Prepared and submitted progress report and invoice.

2.0 Tasks to be Completed Next Period

1. Prepare for and attend 1/14/10 PIM. Review questions and comments from the meeting with Iowa DOT and the City.
2. Provide Utilities with preliminary design/Right-of-Way (D5) plans following the PIM.
3. Prepare plot plans and summary sheets and acquisition plats and legal descriptions for proposed right-of-way acquisitions and temporary construction easements. Provide right-of-way documents to Iowa DOT for review and use in appraisals.
4. Update the preliminary opinion of probable construction cost.
5. Begin final design phase.

3.0 Estimated Value Completed

Item	Budget	Spent		% Spent To Date	% Complete (Estimated)
		This Report	To Date		
Task 1 - Project Management and Administration	\$62,127.00	\$0.00	\$62,810.70	101.1%	100.0%
Task 2 - Control Surveys	\$90,695.00	\$0.00	\$63,231.33	69.7%	100.0%
Task 3 - Preliminary Surveys	\$102,634.00	\$0.00	\$79,319.48	77.3%	100.0%
Task 4 - Legal Surveys	\$35,924.00	\$0.00	\$34,834.51	97.0%	100.0%
Task 5 - Photogrammetry (Aerial Services Inc.)	\$15,742.00	\$0.00	\$15,741.20	100.0%	100.0%
Task 6 - Preliminary Roadway Design	\$153,069.00	\$0.00	\$158,045.63	103.3%	100.0%
Task 6.1 - Extra Work, Geotech. Eng.	\$113,666.00	\$0.00	\$103,310.82	90.9%	100.0%
Task 7 - Field Exam Plan Preparation	\$60,940.00	\$0.00	\$58,315.35	95.7%	100.0%
Task 8 - Preliminary Bridge and Culvert Design	\$28,258.00	\$0.00	\$30,077.50	106.4%	100.0%
Task 9.1 - Extra Work, Finish NEPA	\$13,244.00	\$0.00	\$13,243.75	100.0%	100.0%
Task 9.2 - Extra Work, D2 to D3	\$35,821.00	\$0.00	\$91,338.20	255.0%	100.0%
Task 9.3 - Extra Work, D3 to D5	\$195,240.00	\$24,654.25	\$105,157.85	53.9%	60.0%
TOTAL	\$907,360.00	\$24,654.25	\$815,426.32	89.9%	91.4%
Contingency (HRG only)					

Note: Direct Project Expenses are included within each Task Budget.

4.0 Project Issues

1. **General:** The Scope of Services in the original Agreement has been completed, and the remaining budget was used to advance the preliminary design beyond the Scope of Services in the original Agreement (i.e. tasks after D2). Contract Amendment No.1, which accounts for the additional services related to the preliminary geotechnical investigations/soils design work (S2), was approved by the City on 4/06/09. The S2 work was invoiced under **Task 6.1 - Extra Work, Geotechnical Engineering**. Contract Amendment No. 2, which accounts for the remaining preliminary design work tasks (i.e. D3 to D5) and advancing the project to the design public hearing was approved by the City on 10/19/09. The final design phase will be completed under a separate Agreement.
2. **Schedule:** The Field Exam (D2) was conducted on 3/13/09. The D3 submittal, which includes the revised preliminary plans, pink sheets and 1" = 20' scale culvert plats, and revised TS&Ls and white sheets was provided to Iowa DOT – Office of Bridges and Structures on 8/03/09. The S2 submittal (preliminary geotechnical investigations/soils design necessary to identify soils-related right-of-way issues) was provided to Iowa DOT – Soils Design Section in mid-August 2009. The Right-of-Way Field Exam (D5) was conducted on 11/17/09. The Right-of-Way Public Information Meeting (P09) was originally scheduled for 12/08/09 but was postponed due to inclement weather and rescheduled for 1/14/10. The Grade/RCB/Bridge lettings are scheduled for October 2010. The project development schedule was revised in mid-November 2009 and submitted to the City and Iowa DOT. HRG will keep the City apprised of the schedule as the project progresses.

3. **Budget:** Contract Amendment No. 1 (amount: \$109,366) increased the budget for Task 6.1 from \$4300 to \$113,666. Contract Amendment No. 2 (amount: \$195,240) provided additional budget to advance the project to D5 plans and the Right-of-Way Public Information Meeting. Substantial additional/out-of-scope work was completed within the original budget. The overall project is currently tracking on budget. The work associated with completing the final design and preparing construction plans for the various bid packages will be completed under a separate Agreement.
4. **Additional/Out-of-Scope Work:**
 - a. The remaining work on the I-35 & E. 1st Street and I-35 & NE 36th Street, IJR and NEPA project (#523270J01) was invoiced under **Task 9.1 – Extra Work, Finish NEPA** of this Agreement (project #523270J03) and noted in the progress report. The City authorized the use of \$13,244 of the contingency established in this Agreement to account for the additional costs required to complete the remaining IJR and NEPA work. The Extra Work in this task has been completed.
 - b. The preliminary geotechnical review (S1) work was completed in January 2009. Geotechnical investigations and engineering were not in the original Agreement's scope of services. The City, in a 10/30/08 Memorandum of Understanding, authorized the use of \$4300 of the contingency established in this Agreement to account for the additional costs required to complete the preliminary geotechnical review (S1). This additional/out-of-scope work was invoiced under **Task 6.1 – Extra Work, Geotechnical Engineering**.
 - c. The existing right-of-way and boundary surveys were completed and the existing right-of-way lines, property lines and easements were delineated. This information (T1) was submitted to Iowa DOT in mid-January 2009. The additional legal survey work was not in the Agreement's original scope of services. On 10/21/08, the City verbally authorized HRG to use some of the remaining budget in the Control Surveys, Preliminary Surveys and Legal Surveys tasks to complete the additional right-of-way and boundary survey work.
 - d. The original Agreement's scope of services includes time for the preliminary design of NE 36th St. only to the limits required to construct the interchange. The design, however, needs to consider the design of NE 36th St., between west of NE Delaware Ave. and the interchange, to a level necessary for advancing the NE 36th St. design that will be included with the interchange. The labor hours (317.25 hours) and associated expenses due to the additional/out-of-scope NE 36th St. (between west of NE Delaware Ave. and the interchange) preliminary design work were tracked separately and invoiced under Task 6 – Preliminary Roadway Design.
 - e. As requested by the City during January 2009, scope, schedule and cost information was prepared by HRG and submitted to the City for the potential inclusion of the project (or a portion thereof) in the upcoming federal economic stimulus bill. The labor hours (19 hours through 1/23/09) and associated expenses due to this additional/out-of-scope work were tracked separately and invoiced under Task 1 – Project Management and Administration.
 - f. On 1/30/09, Iowa DOT requested a change to the cross slopes on the primary typical cross section for I-35. This comment was received 2 months after the typical cross section was presented to the PMT for review and comment at preliminary design review meeting #1 (12/01/08). Revising the typical cross section required adjusting the vertical alignments for the interchange ramps, updating the proposed cross sections for I-35 and the ramps, and re-evaluating

the median drainage design. The labor hours and associated expenses (74 hours, cost = \$10,074) due to this additional work were tracked separately. Iowa DOT (Tony Gustafson) acknowledged the additional work required due to changing the typical cross section was due to Iowa DOT's review comment being provided late, and Iowa DOT stated that the City would be reimbursed for the associated additional costs if the preliminary design budget is exceeded. The City, in a 3/26/09 e-mail, authorized invoicing the additional cost (\$10,074) associated with the additional work.

- g. The work involved with advancing the project from Field Exam Plans (D2) to completing and submitting pink sheets, 1" = 20' scale culvert plats, and revised preliminary plans and TS&Ls to Iowa DOT Preliminary Bridge (D3) was not in the original Agreement's scope of services. Since there was budget remaining in the original Agreement, the preliminary design was advanced from D2 to D3. The labor hours (862 hours through 8/21/09) and associated expenses due to the additional/out-of-scope work was tracked separately and invoiced under **Task 9.2 – Extra Work, D2 to D3.**

The estimated budget in the original Agreement was sufficient to account for the additional/out-of-scope work completed and described herein. Contract Amendment No. 2 provides additional budget to account for the remaining preliminary design (D3 to D5) work tasks and advancing the project to the design and right-of-way public hearing/public information meeting. HR Green will keep the City apprised of the budget status as the project advances.